

Marco Modica

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CURRENT POSITION

January 2018 - current
Assistant Professor
GSSI, Gran Sasso Science Institute.

EDUCATION

March 2010 - July 2013
Ph.D in Economics, Market, and Institutions
I.M.T - Institute for Advanced Studies, Lucca

OTHER ACADEMIC QUALIFICATIONS

National Academic Qualification as Associate Professor in Political Economy (SECS-P/02), from 20/08/2018
National Academic Qualification as Associate Professor in Applied Economics (SECS-P/06), from 09/10/2018
Member of the Italian Regional Science Association
Member of the European Regional Science Association
Member of the Regional Science Association International
Member of the Italian Economic Society.

JOURNAL ARTICLES

1. Assessing Disaster Risk by Integrating Natural and Socio-Economic Dimensions: A Decision-Support Tool (with Marin, G., Paleari, S. Zoboli, R.), (*Socio-Economic Planning Sciences*) [IF: 4.149]
2. Local Demand Shocks and Firms' Survival: an Application to the Italian Economy during the Great Recession (with G. Marin), *Papers in Regional Science*, DOI: <https://doi.org/10.1111/pirs.12587> [IF: 2.22]
3. The direct and indirect effects of the 2012 earthquake on the Emilia-Romagna firms: an analysis on the economic and strategic choices, with A. Marzucchi, D. Antonioli), (*Networks and Spatial Economics, forthcoming*) [IF: 2.379]
4. Do inner areas matter? Conceptualization, trend and strategies for the future of these areas (with Urso, G., Faggian, A.), (*Scienze Regionali, forthcoming*)
5. One country, two populist parties: explaining the determinants of voting patterns of the 2018 Italian political elections, (with A. Faggian, F. Modrego and G. Urso), (*Regional Science Policy and Practice*) [IF:0.352]
6. Near miss housing market response to the 2012 northern Italy earthquake: The role of housing quality and risk perception (with F. Meroni, T. Squarcina, V. Pessina, M. Locati and R. Zoboli), *Urban Studies*, DOI: <https://doi.org/10.1177/0042098020943490> [IF: 2.828]
7. Natural disasters and the economy (Editorial, with A. Faggian), *Review of Regional Research*, DOI: <https://doi.org/10.1007/s10037-020-00146-3>
8. Enhancing preparedness for managing debris from earthquakes. Lessons from Italy (with S. Paleari and A. Rampa), *Natural Hazards*, [IF: 2.427]
9. Can extreme events be an opportunity? Depopulation and resilience of rural communities in Central Italy after the 1997 earthquake (with Fantechi, F., Urso, G.), *Journal of Rural Studies*, DOI: <https://doi.org/10.1016/j.jrurstud.2020.08.047> [IF: 3.544]

10. Economic landslide susceptibility under a socio-economic perspective: an application to Umbria Region (Central Italy) (with Donnini, M., Salvati, P., Marchesini, I., Rossi, M., Guzzetti, F., Zoboli, R.), *Review of Regional Research*, DOI: <https://doi.org/10.1007/s10037-020-00143-6>
11. School infrastructure spending and educational outcomes: Evidence from the 2012 earthquake in Northern Italy, (with Belmonte, Bove, and D'Inverno), *Economics of Education Review*, DOI: 10.1016/j.econedurev.2019.101951 (online print) [IF: 1.519]
12. A Holistic Alert Management Platform as a Result of Technology Transfer, (with Iovino, L., D'Emidio, M.), (*Journal of Urban Technology*), DOI: 10.1080/10630732.2020.1717280 (online print) [IF: 2.25]
13. Resilienza e legge di Gibrat: considerazioni metodologiche ed applicazioni empiriche, (with A. Reggiani), *Scienze Regionali*, 19, 1/2020: 9-32. ISSN 1720-3929
14. Does related-variety affect regional resilience? New evidence from Italy, (with G. Cainelli and R. Ganau), *The Annals of Regional Science*, 62: 657–680 [IF: 1.075]
15. Resilience and sectoral composition change of Italian inner areas in the face of the Great Recession (with Urso, G., Faggian, A.), *Sustainability*, 11.9: 2679 [IF: 2.592]
16. The Post-Earthquake Reconstruction in L'Aquila: Some Reflections (with Faggian, A., Aloisio, R.), *Scienze Regionali*, 18, 3/2019: 515-52. ISSN 1720-3929
17. Industrial Relatedness and Regional Resilience in the European Union, (with G. Cainelli and R. Ganau), *Papers in Regional Science*, DOI: 10.1111/pirs.12377, (online print) [IF: 1.657]
18. Impianti di biogas e valori immobiliari: le potenziali esternalità negative *EyesReg*, 8(3) ISSN: 2239-3110
19. Does the construction of biogas plants affect local property values? 2017, *Economics Letters*, 159: 169-172, DOI: 10.1016/j.econlet.2017.07.030 [IF: 0.581]
20. Socio-economic exposure to natural disasters, (with G. Marin), 2017, *Journal of Environmental Impact Assessment Review*, 64: 57-66, DOI: 10.1016/j.eiar.2017.03.002 [IF: 3.054]
21. The impact of the European Union integration on the city size distribution of the Member States, 2017, *Habitat International*, 70: 103-113, DOI: 10.1016/j.habitatint.2017.10.011 [IF: 3.000]
22. Book Review. G Gardner, T Prugh and M Renner, Can a city be SUSTAINABLE? State of the World, 2017, *Environment and Planning B: Planning and Design*, 44(3): 588-589, DOI:10.1177/0265813516677614 [IF: 2.046]
23. A Damage Scenario for the 2012 Northern Italy Earthquakes and Estimation of the Economic Losses to Residential Buildings, (with F. Meroni, T. Squarcina, V. Pessina, M. Locati and R. Zoboli), 2017, *International Journal of Disaster Risk Science*, 8(3): 326-341, DOI: 10.1007/s13753-017-0142-9 [IF: 1.222]
24. Mapping the environmental pressure due to economic factors. The case of Italian coastal municipalities (with E. Pagliarino and R. Zoboli), 2017, *Argomenti*, 8: 73-105, DOI: 10.14276/1971-8357.999
25. Vulnerability, Resilience, Hazard, Risk, Damage and Loss: A Socio-ecological framework for natural disasters (with R. Zoboli), 2016, *Web Ecology*, 16: 59-62, DOI:10.5194/we-16-59-2016 [IF: 0.793]

26. Spatial Economic Resilience: Overview and Perspectives (with A. Reggiani), 2015, *Networks and Spatial Economics*, 15: 211-233, DOI 10.1007/s11067-014-9261-7 [IF: 2.695]
27. Pareto or log-normal? Best fit and truncation in the distribution of all cities (with G. Fazio), 2015, *Journal of Regional Science*, 55(5): 736-756, [IF: 2.243].

BOOK
CHAPTERS

1. Recovery, Development Programs and Place-Based Reconstruction Policy, A Flexible Framework (with F. Fantechi), 2021, in *Disaster Risk Reduction for Resilience - Disaster and Social Aspects*, S. Eslamian, F. Eslamian (Eds.). Springer International Publishing. ISBN 978-3-030-72195-4 (forthcoming)
2. Vulnerability, resilience and exposure: methodological aspects (with A. Reggiani and P. Nijkamp), 2019, in *Modeling Spatial and Economic Impacts of Disasters, 2nd edition*, Rose, A., Okuyama, Y. (Eds.). Springer, Cham. ISBN 978-3-030-16237-5 (295–324)
3. Periferie Resilienti (with A. Faggian and G. Urso), 271–284, 2018 in *Riabitare l'Italia*, Donzelli Editore
4. Methodological Advances in Gibrat's and Zipf's Laws: A Comparative Empirical Study on the Evolution of Urban Systems (with A. Reggiani and P. Nijkamp), 2017, in *Socioeconomic Environmental Policies and Evaluations in Regional Science*, Shibusawa, H., Sakurai, K., Mizunoya, T., Uchida, S. (Eds.) Springer Singapore, 2017. 37-59
5. Ageing and Labour Market Development in Germany: Testing Gibrat's and Zipf's Law for Germany (with A. Reggiani, N. DeVivo and P. Nijkamp), 2017, in *U. Blien, K. Kourtit, P. Nijkamp and R. Stough (eds) Modelling Aging and Migration Effects on Spatial Labor Markets*. Springer, Cham. ISBN 978-3-319-68563-2.

CONFERENCE
PROCEEDINGS

1. Flood damage in Italy: towards an assessment model of reconstruction costs (with Sterlacchini, Zazzeri, Genovese, and Zoboli. *EGU General Assembly Conference Abstracts* 18, 13135)
2. The economic assessment of seismic damage: an example for the 2012 event in Northern Italy (with F. Meroni, V. Pessina, T. Squarcina, M. Locati and R. Zoboli), 2016, *International conference on Urban Risk*, 323-330 edited by CERU – European Centre on Urban Risks, Lisbon (Portugal), ISBN: 978-989-95094-1-2
3. Sustainability assessment of urban areas through a multicriteria decision support system (with A. Devitofrancesco, M. Ghellere, S. Paleari and R. Zoboli), 2016, *Central Europe towards Sustainable Building*, 499-506, Hajek, P., Tywoniak J., Lupisek, A., Sojkova, K. (Eds.), Grada Publishing, Prague, ISBN 978-80-271-0248-8.

TEACHING

Since 2018. Member of the Teaching Committee of the PhD Program in 'Urban Studies and Regional Science'

EDITORIAL
EXPERIENCE

2018. Guest editor of the Special Issue – *Natural Disasters and the economy* – for the Journal – *Review of Regional Research*

2018. Regional Housing and Labor Markets Section editor of the multi-volume *Handbook of Regional Science* edited by Springer.

COMMITTEE

2019 - 2023. Member of Nucleo di Valutazione at GSSI

2019 (January - April). Member of the Commissione Paritetica Docenti - Studenti at GSSI

2019. Associazione AVUS – Vittime Universitarie Sisma 6 Aprile 2009 – Prize for the best M.Sc. thesis on *Engineering, social or economic aspects related to the management of seismic risk and the resilience of territories*

2019. Local Organizing Committee of the XL Conference of AISRe

2018. Member of the Scientific Group of the Natural Disasters working group of the 'Conference of European Regional Legislative Assemblies - CALRE'

Since 2018. Referent in the Scientific Commission of the Consortium REDI

2017–2019. Coordinator for the Strategic Planning and Cost - Benefit Analysis of the Program for supporting the governance in the reduction of seismic and volcanic risk promoted by the Italian Civil Protection Department. PON Governance 2014-2020

Since 2016. Member of the Eco² - Ecoquadro Think tank for the online newspaper *GreenReport*.

REVIEWER
ACTIVITY

(The) Annals of Regional Science; Applied Geography; Asia-Pacific Journal of Regional Science; Cities; Computers, Environment and Urban Systems; Economia Politica; Economic Geography; Energy Policy; Environment and Planning B; Environment, Development and Sustainability; Environmental Impact Assessment Review; (The) European Journal of Development Research; Forests; Global Environmental Change; Habitat International; International Journal of Disaster Risk Reduction; International Journal of Disaster Risk Science; International Regional Science Review; Journal of Planning Literature; Journal of Regional Science; Journal of Small Business Management; Land Use Policy; Miscellanea Geographica; Natural Hazards and Earth System Sciences; Networks and Spatial Economics; Papers in Regional Science; Physica A; PLOS ONE; REGION; Regional Studies; Review of Regional Research; Science of the Total Environment; Scientific Reports; Small Business Economics; Social Science Research; Structural Change and Economic Dynamics; Survey Review; Sustainability; Technovation; Transportation Research Part A: Policy and Practice; Urban Science; Urban Studies; Waste Management; Web Ecology.

██████████ 07/09/2021.